

PATENT
USSN: 10/079,441

Docket No.: 1232-4823

LISTING OF CLAIMS

Claims 14-28 and 43-45 are pending in this application. By this amendment, claims 14, 21, 28 and 43-45 are amended, as shown below.

The following listing of claims will replace all prior versions and listings.

1-13. (Canceled)

14. (Currently Amended) An information processing apparatus comprising:

display control means for controlling a display of a 3D model and the virtual plane in the same virtual 3D space from a view point on a visual line which is different from the normal line of the virtual plane, the virtual plane on which attribution information including at least one of dimensions and dimensional tolerance ~~on about~~ a 3D model is ~~passed being set by~~ the attribution allocation plane setting means allocated; and

changing means for changing direction of the visual line in response to selecting the displayed virtual plane on the virtual 3D space so that the normal line of the displayed virtual plane may coincide with the virtual line.

15. (Original) An information processing apparatus according to claim 14, further comprising:

attribution information allocation means for allocating said attribution information on a virtual plane set by said attribution allocation plane setting means.

16. (Previously Presented) An information processing apparatus according to claim 15, wherein said attribution information allocation means allocates said attribution

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information in the normal direction of the virtual plane set by said attribution allocation plane setting means.

17. (Previously Presented) An information processing apparatus according to claim 14, further comprising:

display method setting means for setting at least one of a display information set, a display magnification, a display center and a display direction,

storage means for storing, on said virtual plane set by said attribution allocation plane setting means, said display method information set by said display method setting means.

18. (Previously Presented) An information processing apparatus according to claim 17:

wherein said storage means stores, together with said 3D model, said virtual plane set by said attribution allocation plane setting means and said display method information set by said display method setting means.

19. (Original) An information processing apparatus according to claim 17, further comprising:

attribution information size setting means for, based on said display magnification for said display method information set by said display method setting means, setting the size of said attribution information base.

20. (Previously Presented) An information processing apparatus according to claim 17, further comprising:

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display coordinate axis setting means for setting the horizontal or perpendicular direction on a display,

wherein said display control means controls the display of said 3D model or said attribution information based on information set by said display coordinate axis setting means.

21. (Currently Amended) An information processing method comprising:

an attribution allocation plane setting step of setting a position of a virtual plane on which attribution information including at least one of dimensions and dimensional tolerance ~~on about~~ a 3D model is ~~placed~~ allocated;

a display control step of controlling a display of the 3D model and the virtual plane in the same virtual 3D space from a view point on a visual line which is different from the normal line of the virtual plane; and

a changing step of changing direction of the visual line in response to selecting the displayed virtual plane on the virtual 3D space so that the normal line of the displayed virtual plane may coincide with the virtual line.

22. (Original) An information processing method according to claim 21, further comprising:

an attribution information allocation step of allocating said attribution information on a virtual plane set at said attribution allocation plane setting step.

23. (Previously Presented) An information processing method according to claim 22, wherein, at said attribution information allocation step, said attribution information is

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allocated in the normal direction of the virtual plane set at said attribution allocation plane setting step.

24. (Original) An information processing method according to claim 22, further comprising:

a display method setting step of setting at least one of a display information set, a display magnification, a display center and a display direction,

wherein said display method information set at said display method setting step is correlated and stored on said virtual plane set at said attribution allocation plane setting step.

25. (Original) An information processing method according to claim 24, further comprising:

a holding step of holding, together with said 3D model, said virtual plane set at said attribution allocation plane setting step and said display method information set at said display method setting step.

26. (Original) An information processing method according to claim 24, further comprising:

an attribution information size setting step of, based on said display magnification for said display method information set at said display method setting step, setting the size of said attribution information base.

27. (Previously Presented) An information processing method according to claim 24, further comprising:

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a display coordinate axis setting step of setting the horizontal or perpendicular direction on a display,

wherein said 3D model or said attribution information is displayed based on information set at said display coordinate axis setting step.

28. (Currently Amended) A computer executable program product comprising:

code for setting a position of a virtual plane on which attribution information including at least one of dimensions and dimensional tolerance ~~on~~ about a 3D model is ~~passed~~ allocated;

code for controlling a display of the 3D model and the virtual plane in the same virtual 3D space from a view point on a visual line which is different from the normal line of the virtual plane; and

code for changing direction of the visual line in response to selecting the displayed virtual plane on the virtual 3D space so that the normal line of the displayed virtual plane may coincide with the virtual line.

29.-42. (Canceled.)

43. (Currently Amended) An information processing apparatus comprising:

attribution allocation plane selecting means for selecting a position of a virtual plane, the virtual plane being displayed with a 3D model in the same virtual 3D space; and

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~~pastng~~ allocating means for ~~pastng~~ allocating attribution information including at least one of dimensions and dimensional tolerance of the 3D model on the virtual plane in response to designating input of attribution information.

44. (Currently Amended) An information processing method comprising:

an attribution allocation plane selecting step of selecting a virtual plane, the virtual plane being displayed with a 3D model in the same virtual 3D space; and

a ~~pastng~~ allocating step of ~~pastng~~ allocating attribution information including at least one of dimensions and dimensional tolerance of the 3D model on the virtual plane in response to designating input of attribution information.

45. (Currently Amended) A computer executable program product comprising:

code for selecting a virtual plane, the virtual plane being displayed with a 3D model in the same virtual 3D space; and

code for ~~pastng~~ allocating attribution information including at least one of dimensions and dimensional tolerance of the 3D model on the virtual plane in response to designating input of attribution information.